

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims.

1-22. (cancelled)

23. (previously presented) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding amino acid residues 1 to 728 of SEQ ID NO:21; and

(b) a polynucleotide comprising nucleotides 22 to 2205 of SEQ ID NO:8.

24. (previously presented) The isolated nucleic acid molecule of claim 23, wherein said polynucleotide is (a).

25. (previously presented) The isolated nucleic acid molecule of claim 23, wherein said polynucleotide is (b).

26. (previously presented) The isolated nucleic acid molecule of claim 23 wherein the polynucleotide further comprises a heterologous polynucleotide.

27. (previously presented) The isolated nucleic acid molecule of claim 26 wherein said heterologous polynucleotide encodes a heterologous polypeptide.

28. (previously presented) A vector comprising the isolated nucleic acid molecule of claim 23.

29. (previously presented) The vector of claim 28 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

30. (previously presented) A recombinant host cell comprising the isolated nucleic acid molecule of claim 23.

31. (previously presented) The recombinant host cell of claim 30 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

32. (previously presented) A method for producing a polypeptide, comprising:

(a) culturing the recombinant host cell of claim 30 under conditions suitable to produce the polypeptide encoded by said polynucleotide; and

(b) recovering the polypeptide from the cell culture.

33. (previously presented) An isolated nucleic acid molecule comprising a polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in plasmid HDPSB68 in ATCC Deposit No. PTA840; and

(b) a polynucleotide comprising the cDNA clone contained in plasmid HDPSB68 in ATCC Deposit No. PTA840.

34. (previously presented) The isolated nucleic acid molecule of claim 33, wherein said polynucleotide is (a).

35. (previously presented) The isolated nucleic acid molecule of claim 33, wherein said polynucleotide is (b).

36. (previously presented) The isolated nucleic acid molecule of claim 33 wherein the polynucleotide further comprises a heterologous polynucleotide.

37. (previously presented) The isolated nucleic acid molecule of claim 36 wherein said heterologous polynucleotide encodes a heterologous polypeptide.

38. (previously presented) A vector comprising the isolated nucleic acid molecule of claim 33.

39. (previously presented) The vector of claim 38 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

40. (previously presented) A recombinant host cell comprising the isolated nucleic acid molecule of claim 33.

41. (previously presented) The recombinant host cell of claim 40 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

42. (previously presented) A method for producing a polypeptide, comprising:

(a) culturing the recombinant host cell of claim 40 under conditions suitable to produce the polypeptide encoded by said polynucleotide; and

(b) recovering the polypeptide from the cell culture.